

In the Claims

Please cancel claims 14-38. Please add new claims 39-61 as follows:

1. A molding, that includes polyurethane, comprising:
at least one polyurethane gel; and
at least one polyurethane foam wherein said at least one polyurethane gel and said at least one polyurethane foam are joined by implicit adhesive properties during production of said molding.
2. A molding according to claim 1, wherein said molding includes an outer covering layer which is impermeable.
3. A molding according to claim 1, wherein said molding includes an outer covering layer which is impermeable to said polyurethane gel.
4. A molding according to claim 3, wherein said polyurethane foam and said polyurethane gel are arranged in at least two layers, one above another.
5. A molding according to claim 4, wherein said polyurethane gel layer is partially surrounded by said polyurethane foam.
6. A molding according to claim 1, wherein a block of said polyurethane foam is at least partially surrounded by said polyurethane gel.
7. A molding according to claim 2, wherein said covering layer includes a film.
8. A molding according to claim 2, wherein said covering layer includes a polyurethane film.

9. A molding according to claim 2, wherein said covering layer includes a polyvinyl chloride film.

10. A molding according to claim 2, wherein said covering layer includes a leather film.

11. A molding according to claim 2, wherein said covering layer includes a micro-fiber material film.

12. A molding according to claim 1, wherein said molding is a seat cushion.

13. A molding according to claim 12, wherein a textile cover layer is located adjacent to said seat cushion.

14. - 38. (Cancelled)

39. (New) A molding according to claim 2, wherein the outer covering layer is pre-formed in a mold.

40. (New) A molding according to claim 4, wherein the polyurethane foam layer is in direct contact with the outer covering layer.

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41. (New) A molding according to claim 4, wherein the polyurethane gel layer is in direct contact with the outer covering layer.

42. (New) A molding according to claim 1, wherein the polyurethane gel is pre-formed.

43. (New) A molding according to claim 4, wherein the polyurethane gel layer is pre-formed.

44. (New) A molding according to claim 4, wherein the polyurethane gel layer is in pre-formed sections.

45. (New) A molding according to claim 1, wherein the polyurethane gel is produced from raw materials having an isocyanate functionality and a polyol component having a functionality of at least 5.2.

46. (New) A molding according to claim 1, wherein the polyurethane gel is produced from raw materials having an isocyanate functionality and a polyol component having a functionality of at least 6.5.

47. (New) A molding according to claim 1, wherein the polyurethane gel is produced from raw materials having an isocyanate functionality and a polyol component having a functionality of at least 7.5.

48. (New) A molding according to claim 1, wherein the polyurethane gel is produced by a reaction mixture of an isocyanate functionality and a polyol component having a mixture of:

one or more polyols having hydroxyl numbers below 112;

one or more polyols having hydroxyl numbers in a range 112 to 600, wherein a weight ratio of the one or more polyols having hydroxyl numbers below 112 to the one or more polyols having hydroxyl numbers in a range 112 to 600 lies between 90:10 and 10:90;

the isocyanate characteristic of the reaction mixture lies in a range from 15 to 59.81; and

the product of isocyanate functionality and functionality of the polyol component is at least 6.15.

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49. (New) A molding according to claim 1, wherein the polyurethane gel includes a reaction mixture of:

one or more polyisocyanates;

a first polyol component including one or more polyols having hydroxyl numbers below 112; and

a second polyol component that includes one or more polyols having hydroxyl numbers in a range 112 to 600; wherein a weight ratio of said first polyol component to said second polyol component lies between 90:10 and 10:90, an isocyanate characteristic of said reaction mixture lies in a range from 15 to 59.81, and a product of isocyanate functionality of said first polyol component and said second polyol component is at least 6.15.

50. (New) A molding according to claim 49, wherein the reaction mixture further includes a catalyst.

51. (New) A molding according to claim 49, wherein the reaction mixture includes fillers.

52. (New) A molding according to claim 49, wherein the second polyol component for producing the polyurethane gel includes one or more polyols having a molecular weight between 1000 and 12000 and an OH number between 20 and 112, wherein the product of the functionalities of the polyurethane-forming components is at least 5.2, and the isocyanate characteristic lies between 15 and 60.

53. (New) A molding according to claim 52, wherein the isocyanates for producing the polyurethane gel are of the formula



where n represents 2 to 4 and Q denotes an aliphatic hydrocarbon radical having 6 to 18 C atoms.

54. (New) A molding according to claim 52, wherein the isocyanates for producing the polyurethane gel are of the formula



where n represents 2 to 4 and Q denotes an cycloaliphatic hydrocarbon radical having 4 to 15 C atoms.

55. (New) A molding according to claim 52, wherein the isocyanates for producing the polyurethane gel are of the formula



where n represents 2 to 4 and Q denotes an aromatic hydrocarbon radical having 6 to 15 C atoms.

56. (New) A molding according to claim 52, wherein the isocyanates for producing the polyurethane gel are of the formula



where n represents 2 to 4 and Q denotes an araliphatic hydrocarbon radical having 8 to 15 C atoms.

57. (New) A molding according to claim 53, wherein the isocyanates for producing the polyurethane gel are in pure form.

58. (New) A molding according to claim 53, wherein the isocyanates for producing the polyurethane gel have conventional isocyanate modifications.

59. (New) A molding according to claim 58, wherein the conventional isocyanate modification includes urethanisation.

60. (New) A molding according to claim 58, wherein the conventional isocyanate modification includes allophantisation.

61. (New) A molding according to claim 58, wherein the conventional isocyanate modification includes biuretisation.

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